

MUNICIPAL CORPORATION BHILAI

NIT

वार्ड क्र.-14 जवाहर नगर दुर्गा मंच के समीप खाली मैदान में ट्यूबलर पोल लगाने का कार्य।

(As Per Electrical S.O.R. 01.06.2020)

S. No.	Details of Item	Qty.	Unit
1	Supply of swaged steel tubular pole as per IS2713 with base plate of size 300x300x6mm welded at bottom, necessary hole for cable entry and earthing stud welded at specified height including painting with one coat red oxide zinc chromate primer Designation 410 SP-30 height 9.00 meter	2	Nos
2	Erection of steel tubular or rail pole in cement concrete 1:3:6 graded stone aggregate 40mm nominal size foundation including excavation and refilling etc. as required of length: 7metre to 10 metre	2	Nos
3	Supply and fixing water tight terminal box made of 1.6mm thick M S Sheet with detachable gland plate in bottom, hinged front open able cover, rubber gasket, having 2nos 4 way connector and 1No, SPMCB inside the box for cable connection, fixed to pole with 2 nos. clamp mad from 40X3mm M.S. lat with 2 Nos. nut bolt dully painted with 2 coat of red oxide paint and 2 coats aluminium paint complete as required 30X20X15 cms. Item 19 16 2	2	Nos
4	Supply and laying following sizes one number PVC insulated, PVC sheathed steel armored, aluminium conductor power cable of 1.1KV grade in existing RCC/ HUME/ STONEWARE/ METAL pipe as required 4X 16sq mm	60.00	Mtr
5	Supply and making end termination with brass compression gland and aluminium lugs for following size armored aluminium conductor power cable of 1.1KV grade as required : 4X 16sq.mm	4	Nos
6	Supply, fixing and cramping suitable size and all type aluminium ferule/lugs to following size 1.1 KV grade power cable core/lead, pressed with high pressure cramping tool including connection to switch gear/MCCB etc as required: 16sqmm	8	Nos
7	Supply of GI PIPE POLE made of "B" class GI pipe making necessary hole for cable entry and providing earthing stud (welded at specified height) including painting with one coat of red oxide zinc chromate primer. 50mm dia.	20.00	Mtr
8	Painting new steel and other metallic surface with red oxide zinc chromate primer paint complete with supply of material labuor etc. including preparation of surface.	3.00	Sqm
9	Painting of following height steel tubular poles with two coat of approved colour and shade synthetic enamel paint including cleaning the surface as required: Above 8 metre and upto 10 metre	3.00	Sqm
14	Earthing with G.I. earth pipe 4.5m long 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement watering pipe etc. (But without charcoal and salt) as required.	2	Nos
15	Supply and drawing following size of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/PVC conduit/PVC casing as required: 2 X 1.50sqmm.	20	Mtr
16	Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps	2	Nos
17	Supplying fixing of 32 mm dia X 2meter long G.I. pipe (light) bracket for mounting street light fitting of all types on poles including bending the pipe to the required shape, 2 Nos 40 X 3mm flate iron clamp with bolts and nuts including wiring with 1.5Sqmm W.P./PVC wire etc. as required.	4	Nos
18	Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 5 KV surge protection on pole bracket complete as required and furnishing 2 Yrs Guarantee certificate from manufacturer. 25-30 watt	4	Nos
19	Supplying of following LED lamps with inbuilt electronic driver heat sink for conventional holder and furnishing 2 Yrs Guarantee certificate from manufacturer. 15 Watt	4	Nos




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AS PER BUILDING S.O.R 01.01.2015

S.NO	PARTICULAR	QTY	UNIT
1	Excavation of all types of soils for all types size of foundations and drains i/c Dressing and leveling of pits.		
2	Providing and laying mechanically mixed cement concrete with 40mm nominal size inplinth and foundation. 1:4:8	17.28	cum
3	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	4.42	cum
4	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	7.34	cum
5	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415	0.65 399.15	cum kg
6	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, base of columns and plinth beam in any shape and size.		
7	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:Cement Mortar 1:6 (1 cement : 6 coarse sand)	66.50	sqm
8	12 mm Thick Cement Plaster of mix: In C.M. 1:5 (1 Cement : 5 Sand)	5.46	cum
8	Providing and placing in position angle iron and sturt of required size i/c bottom to be split and bent at right angle in opposite direction for required length and drilling holes up to 10 mm dia as per requirement i/c priming coat with red oxide zinc chromate primer and placing the post/strut in cement concrete block>	177.36	sqm
9	Painting on new work (two or more coats) to give an even shade with. Premium synthetic enamel paint	1136.93	kg
10	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	231.90	sqm
	30kg/sqm	270.00	kg

11	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)		
		136.16	sqm
12	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete. Aperture 50x50mm		
		201.00	sqm
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  ASSTT.ENGINEER Nagar Palik Nigam, Bhilai </div> <div style="text-align: center;">  SUB ENGINEER Nagar Palik Nigam, Bhilai </div> </div>			
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Nagar Palik Nigam, Bhilai </div> <div style="text-align: center;"> Nagar Palik Nigam, Bhilai </div> </div>			

NAGAR PALIK NIGAM BHILAI**NIT**

वार्ड क्र.-14 जवाहर नगर दुर्गा मंच के समीप खाली मैदान में पाथवे कार्य।

AS PER BUILDING S.O.R 01.01.2015

S.NO	PARTICULAR	QTY	UNIT
1	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm		
	Plain/ normal coloured precast interlock concrete block	248.00	sqm
2	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.		
		28.80	cum
3	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.		
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
		4.96	cum

ASSTT.ENGINEER

Nagar Palik Nigam, Bhilai

SUB ENGINEER

Nagar Palik Nigam, Bhilai